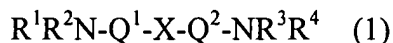
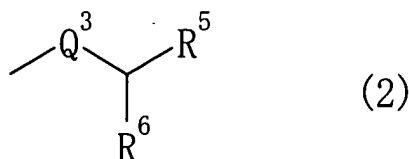


## AMENDMENTS TO THE CLAIMS

1. **(Currently amended)** ~~A~~An optically active ligand represented by the formula (1):



wherein  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  are each the same or different and represent a group represented by the formula (2):



wherein  $Q^3$  is an optionally substituted alkylene group, an optionally substituted cycloalkylene group, an optionally substituted arylene group or an optionally substituted divalent heterocyclic group;  $R^5$  is an optionally substituted alkyl group, an optionally substituted aryl group or an optionally substituted heterocyclic group; and  $R^6$  is a substituent which may coordinate or bind to a metal atom, or  $R^5$  and  $R^6$ , taken together, may form a ring,

$Q^1$  and  $Q^2$  are each the same or different and represent an optionally substituted alkylene group or a single bond, and

X is a divalent spacer.

2-3. **(Cancelled)**

4. **(Currently amended)** The ligand according to claim 1, ~~characterized in that~~wherein the spacer is an optionally substituted alkylene group, an optionally substituted arylene group or an optionally substituted divalent heterocyclic group.

5. **(Currently amended)** The ligand according to claim 1, ~~characterized in that~~wherein the length of  $Q^1-X-Q^2$  is from 2 to 30 angstroms.

6. **(Currently amended)** The ligand according to claim 1, ~~characterized in that~~wherein Q<sup>3</sup> is an alkylene group of 1 to 6 carbon atoms.

7. **(Currently amended)** The ligand according to claim 1, ~~characterized in that~~wherein R<sup>5</sup> is an aryl group.

8. **(Currently amended)** The ligand according to claim 1, ~~characterized in that~~wherein R<sup>6</sup> is a hydroxy group, an alkoxy group of 1 to 6 carbon atoms, an amino group or a substituted amino group.

9. **(Currently amended)** The ligand according to claim 1, ~~characterized in that~~wherein the ring formed when R<sup>5</sup> and R<sup>6</sup> are taken together is an oxazoline, a pyrrolidine or a piperidine.

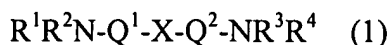
10. **(Currently amended)** A complex compound ~~characterized by containing~~comprising, as a constituent element, the ligand according to claim 1 and a metal atom.

11. **(Currently amended)** The complex compound according to claim 10, ~~characterized in that~~wherein the metal atom belongs to any one of groups 3 to 14 of the periodic table.

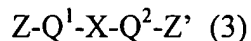
12. **(Currently amended)** The complex compound according to claim 10, ~~characterized in that~~wherein the metal atom is selected from the group consisting of lanthanum, samarium, titanium, zirconium, vanadium, rhenium, iron, ruthenium, cobalt, rhodium, iridium, nickel, palladium, copper, zinc, aluminum, tin, gold, silver ~~or~~ and platinum.

13-14. **(Cancelled)**

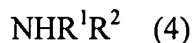
15. **(Currently amended)** A method for producing a an optically active compound of the formula (1):



{wherein the symbols have the same meanings as defined in claim 1},  
which comprises reacting a compound of the formula (3):



{wherein  $Q^1$ , X and  $Q^2$  have the same meanings as defined in claim 1, and Z and Z' are each the same or different and represent a leaving group},  
with a compound of the formula (4):



{wherein  $R^1$  and  $R^2$  have the same meanings as defined in claim 1}.

**16. (Currently amended)** A method for producing a complex compound, which comprises contacting a the ligand described in claim 1 with a metal compound.

**17. (Currently amended)** The method according to claim 16, wherein the metal compound ~~contains~~ comprises a metal atom selected from the group consisting of lanthanum, samarium, titanium, zirconium, vanadium, rhenium, iron, ruthenium, cobalt, rhodium, iridium, nickel, palladium, copper, zinc, aluminum, tin, gold, silver ~~or~~ and platinum.

**18. (Previously presented)** A method for catalyzing an asymmetric synthesis reaction, which comprises adding the complex compound according to claim 10 as a catalyst to an asymmetric synthesis reaction.